Ottoline Brezina-Akintola

Field and Laboratory Biologist
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SUMMARY

Biologist with 5 years in environmental consulting and state wildlife work, leading field surveys across 60+ wetland and coastal sites a season. Runs eDNA sampling, qPCR and benthic invertebrate identification, analyzes data in R and has co-authored 3 peer-reviewed papers and 14 permit reports accepted without major revision.

EXPERIENCE

Project Biologist — Saltmarsh Ridge Ecological Consulting

Boston, MA · Mar 2022 – Present

- Lead seasonal surveys at about 65 wetland and coastal sites a year for 9 infrastructure clients.
- Wrote 14 wetland and rare species reports for state permits, all accepted without major revision.
- Set up an eDNA sampling protocol for 2 protected fish species, cutting field days per site from 3 to 1.
- Built R scripts that turned raw survey sheets into report tables, saving about 6 hours per project.

Wildlife Biologist I — Merrimack Basin Wildlife Office

Concord, NH · Jun 2019 – Feb 2022

- Ran benthic invertebrate sampling at 42 river stations, identifying about 18,000 specimens to family level.
- Processed 900 water and tissue samples a year with chain-of-custody records and 0 lost samples.
- Co-authored 3 peer-reviewed papers on stream health and brook trout habitat.

SKILLS

Field methods: Wetland delineation, electrofishing, benthic sampling, transects, GPS mapping

Lab methods: eDNA extraction, qPCR, microscopy, specimen identification, sample custody

Analysis: R (tidyverse, vegan, lme4), ArcGIS Pro, QGIS, Excel

Compliance: Clean Water Act Section 404, state endangered species rules, field safety plans

CERTIFICATIONS

Associate Wildlife Biologist (The Wildlife Society)

Wilderness First Aid

EDUCATION

M.S. Biology, University of New Hampshire, 2019

B.S. Environmental Biology, University of Vermont, 2017

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